

## **WEST Search History**



DATE: Thursday, July 20, 2006

Hide?	<u>Set</u> <u>Name</u>	Query	<u>Hit</u> Count
	DB=PGPB,USPT,USOC; PLUR=YES; OP=ADJ		
	L14	(parent and zombie and child and exit).clm.	<u>ر</u> 1
	L13	(exit information same defunct).clm.  (parent same (defunct near child)) clm	<b>}</b> 1
	L12	(parent same (defunct near child)).clm.	ί <sub>1</sub>
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
	L11	L8 and (collect\$ near2 exit)	3
	L10	L8 and exit	15
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
	L9	L8	3
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ		
	L8	L7 and (defunct or zombie)	18
	L7	L6 and child process	564
	L6	parent process	2194
	L5	(717/131).ccls. and (defunct or zombie).ab.	0
	L4	(717/127).ccls. and (defunct or zombie).ab.	0
	L3	(717/121).ccls. and (defunct or zombie).ab.	0
	L2	(717/120  717/121  717/124  717/125  717/126  717/127  717/128  717/129  717/130  717/131  717/132  717/133).ccls.	3071
	L1	20030037290	2

**END OF SEARCH HISTORY** 

## Previous Doc

Next Doc First Hit Go to Doc#



File: PGPB

L14: Entry 1 of 1

Dec 16, 2004

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REPRESENTATIVE-FIGURES: 2A

## ABSTRACT:

A system and method is provided for using a kernel exit routine, performed when a parent process exits, to efficiently remove zombie child processes. The kernel exit routine also reparents active child processes to a standard system process, such as the init process. When the kernel exit routine re-parents the active child process to the init process, the child process is flagged indicating that the child's original parent process has already exited. A kernel routine, such as the swapper process, periodically cleans up flagged processes that have exited. In this manner, although active child processes are still re-parented to init, the init process is no longer burdened with the task of waiting on such processes when they exit.

BACKGROUND OF THE INVENTION

[0001] 1. Technical Field

[0002] The present invention relates in general to a system and method for harvesting zombie processes in an operating system. More particularly, the present invention relates to a system and method for harvesting zombie processes in a UNIX.TM. type operating system to improve overall system efficiency.

[0003] 2. Description of the Related Art